

Technical data sheet

PUR Bus cables · DeviceNet™ · C-track compatible

LÜTZE SUPERFLEX® DeviceNet™ (C) PUR

For highest requirements



Identification

Type SU BUS (C) PUR ((2×AWG24)+(2×AWG22))
Part No. [104289](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• For the wiring of industrial sensors, control devices, valves, and other equipment• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• Compatible with all major drag chain brands• Compliant with NFPA 79 requirements |
| Properties | <ul style="list-style-type: none">• 2-pair cable: The pair with the smaller cross section serves for the data transmission, the pair with the larger cross section is for the power supply• High protection against electromagnetic interferences (EMI)• Talc free and silicone free |

Construction

Description	SUPERFLEX® DeviceNet™ (C) PUR
Number of conductors/cross-section	((2×AWG24)+(2×AWG22))
Number of conductors	4
Cross-section, metric	0.25 mm²
Cross-section AWG	AWG 22
Jacket material	PUR
Jacket color	violet similar to RAL 4001
Outer Ø	7 mm
Outer Ø	0.276 inch
Surface	adhesion-free

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0
www.luetze.de • info@luetze.de

02.04.2025 • Subject to technical modification

Part No. [104289](#) • Datasheet version: 00

page 1 of 3

Technical data sheet

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Weight	6.2 kg/100 m
Weight	57 Lbs/Mft
Cu-Index	3.6 kg/100 m
Cu-Index	19 Lbs/Mft

Construction Element 1

Element construction	(2×AWG24)
Conductor	CU-wire tin-plated
Conductor marking standard	IEC 62026-3
Conductor insulation	Foamed polyolefin
Stranding	Conductors stranded in pairs
Element shielding	Aluminium laminate Foil shield

Construction Element 2

Element construction	(2×AWG22)
Conductor	CU-wire tin-plated
Conductor marking standard	IEC 62026-3
Conductor insulation	Polyolefin
Stranding	Conductors stranded in pairs
Element shielding	Aluminium laminate Foil shield

Overall construction

Overall stranding	Elements stranded together
Overall wrapping	Non-woven material
Drain wire	CU-wire tin-plated
Overall shield	Braid shield Tinned copper wires Optical cover approx. 80 %
Jacket characteristics	Flame-retardant Oil resistant Silicone free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	75 °C
Temperature range moving	-20 °C ... +75 °C
Temperature range fixed	-40 °C ... +75 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	5×D
Bending cycles	≥4 Mio
Travel distance	≤3.5 m
Speed	3 m/s

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Acceleration 3 m/s²

Technical Data Element 1

Element construction (2×AWG24)
Operating capacitance wire-wire approx.40 pF/m
Impedance nom.120 Ω

Technical Data Element 2

Element construction (2×AWG22)

Certifications/Standards

Certifications cULus
CMX
Meets NEC 392, 800

Conformity CE
RoHS
REACH
TSCA

Burning behavior according to DIN EN 60332-1-2
IEC 60332-1-2
UL 1581 VW-1
UL FT1

Oil resistant according to DIN EN 60811-404

Halogen free according to DIN EN 60754-1
IEC 60754-1

General

Note CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU